

A New RECTOBULB Type R81

Mercury Vapor Efficiency in —

**RECTIFICATION
REGULATION**

**LOAD CAPACITY
FILTERING**

To be installed in place of any Type 281 Rectifier Tube — simply plug in — that's all.

Fil. Volts.....7.5 Fil. Cur.....1.25
Plate Volts.....750 Plate Mils.....150

ONLY 10 VOLTS DROP IN TUBE

Price \$7.00 each

Sent Postpaid if cash with order — Immediate delivery

Type R3 RECTOBULBS

Still "SUPREME" as 3000-volt — 250 Mil.
Transmitting Rectifier — ask the "HAM"

Price \$10 each

Rectobulb Distributors — CHIRAD — Chicago —
Fort Orange Dist. Co., Albany, N. Y.

Guaranteed Repairs

UX852.....\$16.50 WE211.....\$16.50
UV203A.....211 — 845.....\$19.00
UV204A.....\$60.00 WE212.....\$40.00

NATIONAL RADIO TUBE CO.

3420 18th Street San Francisco, Calif.
"A HAM INSTITUTION"

a more detailed description of the tests described by Windom under "Notes on Etheral Adornments" and while of little interest to the traffic man, is a worthwhile paper for the engineer or experimenter.

A device which enables a pilot to switch on airport lights from the air by pressing a button has been perfected recently. It consists of a miniature radio transmitting set, effective over a twenty-mile radius, which controls the airport lights through a radio control system. The transmitter uses modulated waves.

H. Barkhausen, of Dresden, Germany, and J. C. Bird, G2JB, of Wembly, Middlesex, England, were among those who attended the meeting of the Institute of Radio Engineers at New York City on October 2. The meetings are getting international.

The following quotations are taken from an advertising pamphlet of radio tubes, picked up at the New York Radio Show:

"Radio Tubes make any set better."

"The less the air, the higher the vacuum, the clearer will be the resulting tones."

The last night of the New York radio show, six amateurs had dinner together in one of New York's restaurants. As one of them remarked, "Of the six amateurs, none are from the state of New York, and each one is a native of a different state." The gang was composed of: W1AOZ, Waterford, Conn., W1FL, Hudson, Mass., W3BVA, York, Penn., W9BR, Chicago, Ill., W9CEI, Michigan, N. Dak., and W9IG, Minneapolis, Minn.

Then, too, another reason the average ham is "broke" is because he has so many convention and hamfest pictures to buy.

The New York radio show was an excellent furniture exhibit!

A.R.R.L. Election Results

(Continued from page 38)

of them for the information of the membership. In bidding *au revoir* to the retiring directors let us remember that each of them for long years served his division faithfully and to the very best of his ability. They did their part in making A.R.R.L. what it is today.

WE believe our latest model microphone is the best value obtainable. It is unexcelled in workmanship, attractive in appearance and superb in performance, yet it is lower in price than any other.

List price \$67.50 Usual discounts

E. F. JOHNSON CO.

WASECA

MINNESOTA

HEY HAMS!

YOU CAN GET MUCH BETTER RESULTS!

By using "SILVER-CLAD" — the new aerial wire with its low-resistance, pure silver surface. A real help to transmission and reception and especially so on shortwaves. Many fail to realize that a set can perform no better than the condition of its aerial permits. Maybe that's why you aren't getting DX! Give your set new life by replacing your old, corroded aerial with "SILVER-CLAD" today. It is best for picking up the delicate wave impulses. 100-foot length only \$2.00 postpaid.

RADIO LABORATORIES

P. O. Box 88, Oakley

Cincinnati, Ohio

BRUTE FORCE

For that steam roller signal that crashes thru, gets there by flattening every obstacle. A signal backed by that most powerful of rectifiers — the mercury arc. Long, trouble-free life, full wave, instantaneous automatic starting, current and voltage ratings far above any transmitter demand. Put in an arc and operate.

RECTIFIER ENGINEERING SERVICE

W8ML 4837 Rockwood Road
CLEVELAND, OHIO